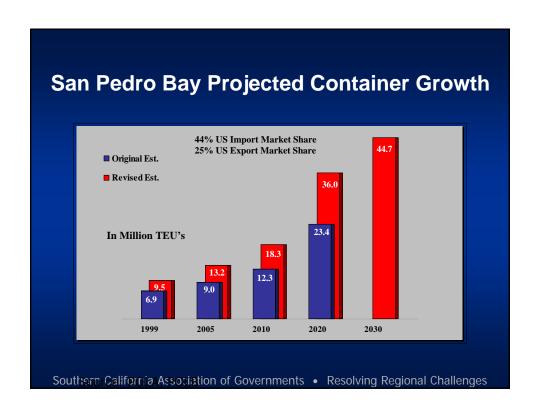


Shares of Asia – U.S. Containerized Trade 2003 Port Region Imports Exports LA-Long Beach 60.5% 39.7%

Other US West Coast 16.1% 30.8%

US Gulf + East Coasts 23.4% 29.5%

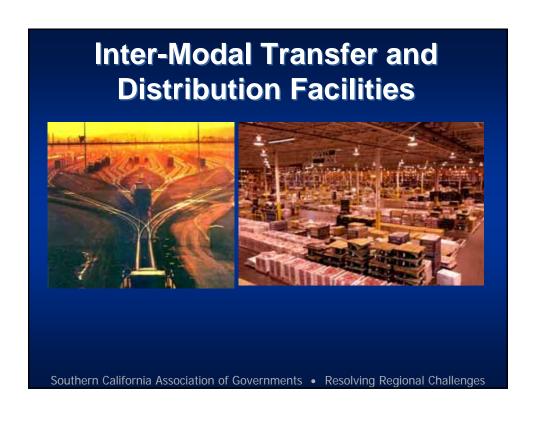
Note: Shares measured on a TEU basis Source: PIERS, courtesy of MARAD





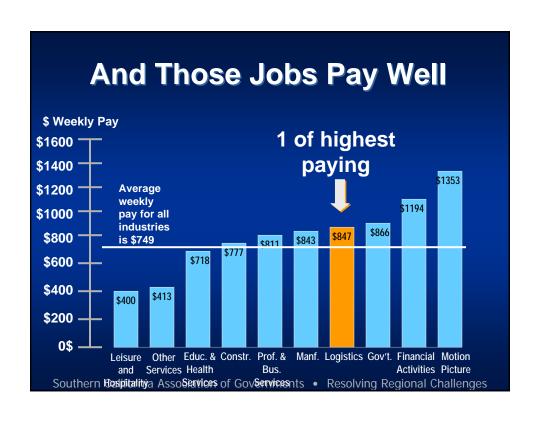








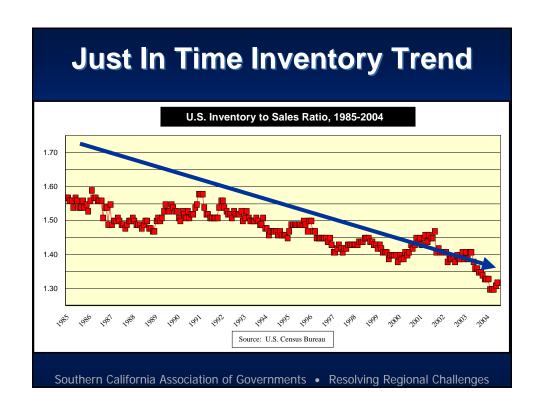




What Does the Logistics Infrastructure and Work Force in the Region Offer Shippers That Other Destinations Don't?

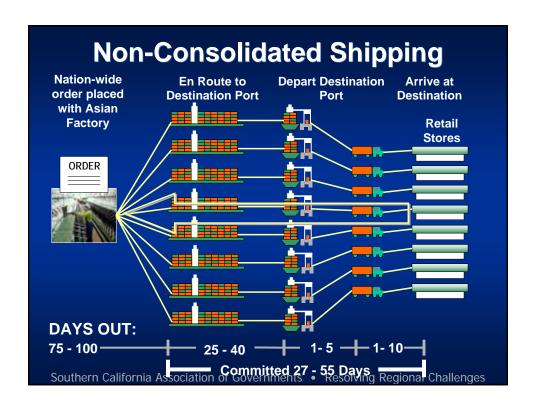
Southern California Association of Governments • Resolving Regional Challenges

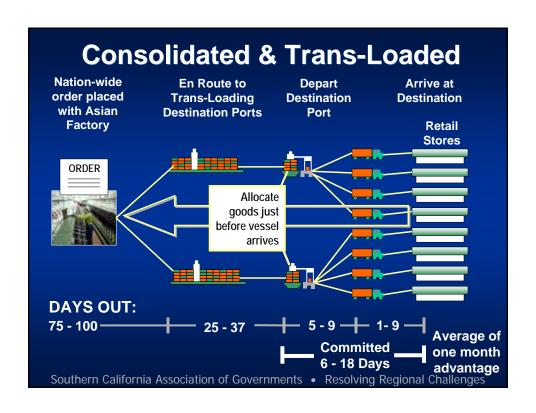
Exactly What Shippers Want WAL*MART LLWAYS LOW PRICES "Just In Time" Southern California Association of Governments Resolving Regional Challenges





Consolidation & Trans-Loading Produce Both Cost and Time Savings, Making "Just-In-Time" Strategies Achievable





The Benefit to Shippers

The trans-loading of weekly shipments from Asia affords large, nation-wide retailers an 18-20% reduction in their total pipeline plus safety stock inventory compared to direct shipping from Asia.

Assuming a 6% average error in nationwide one-week-ahead sales forecasts

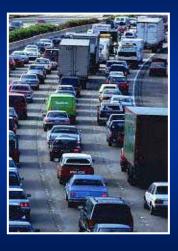
The Benefit to the Region

The sustenance and growth of the Logistics Industry, an industry noteworthy for the good pay and upward mobility opportunities available to a growing blue collar labor force

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Just a Couple of Problems

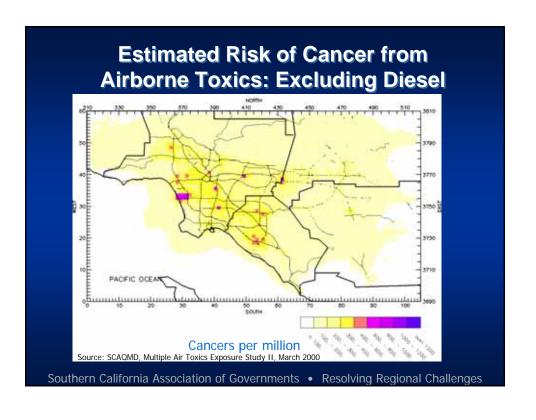
Quality of Life Crisis

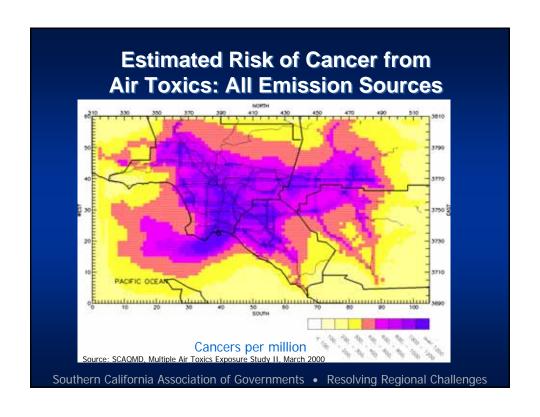


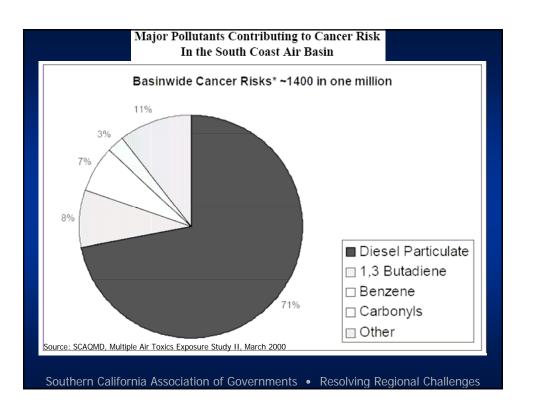
- The region's commuters now endure 136 hours of delay annually
- Further gridlock will detrimentally impact the region's, as well as the nation's economic well-being.











Not Nearly Enough Federal and State Funds to Fix It



 Dramatic growth in traffic is running head-long into limited transportation funding and high infrastructure improvement costs.

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If users of the system helped to build congestion-reducing infrastructure...

- **?** Would it make business sense for them to invest
 - or-
- Would they take their business elsewhere

Factors to Consider

- Trade-off Between Inventory Cost and Transportation Cost
 - Inventory cost favors West Coast ports
 - Shipping cost favors all-water
- Big Box Store Thinking

Merchandise Cheapest Shipping Method

Low Value (\$13/cu.ft.) **Direct Shipping**

Moderate Value Trans-loading at Multiple Ports
High Value (\$27/cu.ft.) Trans-Loading at Single Port

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Port & Modal Elasticity Study Model

- USA divided into 21 destination regions served by 10 ports of entry
 - Volume for 102 Asian importers distributed among all regions proportional to purchasing power
- Import volumes allocated among ports and modes as to minimize total transportation and inventory costs for each importer

Study Conducted by Leachman and Associates LLC - Sept. 2005

Two "What-If" Scenarios

As-Is Scenario

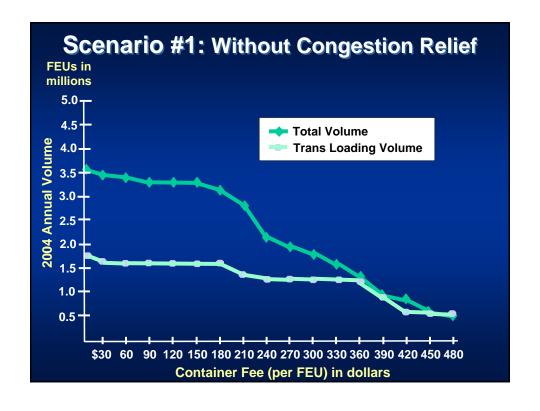
No investment in regional congestion relief

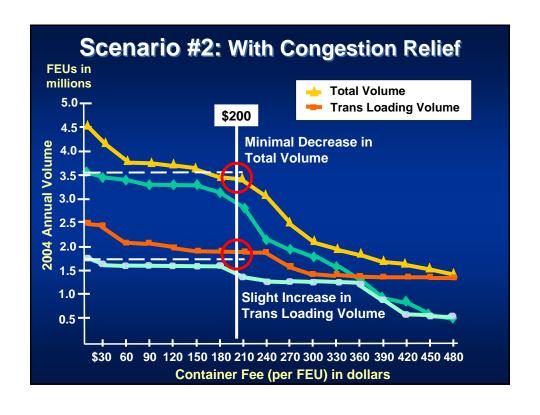
Congestion Relief Scenario

Investment in goods movement infrastructure to guarantee reduction in rail and truck transit time to transloading facilities

Key Study Finding:

Shippers are more sensitive to congestion than to the cost of transportation









What's the Value to Shippers of More Speedy and Reliable Delivery?

Premise

- 1. Infrastructure improvements will reduce transit time for shippers and improve efficiency and reliability.
- 2. Reliability has a dollar value to shippers.
- 3. The value of the time savings is significantly greater than the costs to achieve the time savings.

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Goods Movement Performance Measures

- Speed
 - Trucking Industry Value-of-Time:

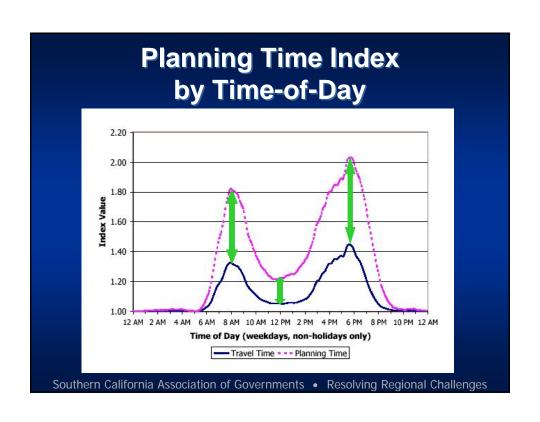
\$25 to \$200 per hour depending on cargo

- Analysis Assumption:

\$73 per hour (2005 \$)

- Reliability
 - Unexpected delays can increase Value-of-Time by 50 to 250 percent

FHWA Freight Management and Operations: Measuring Travel Time in Freight-Significant Corridors, http://www.ops.dot.gov/freight/time.htm



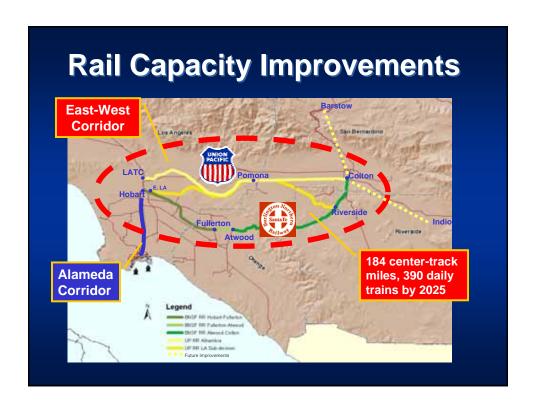
Warehouse		Travel Minutes	Buffer Minutes	Total Minutes		Toll	VALUE
District		Saved	Saved	Saved	Value	Cost	RATIO
Downtown	To	26	59	85	\$103	\$17	6.1
	From	30	68	97	\$118	\$17	7.1
Ontario	То	62	130	192	\$233	\$32	7.2
	From		210	298	\$361	\$32	11.2
Victorville	To	96	189	285	\$345	\$64	5.4
victor ville	From		276	405	\$490	\$64	7.6

Warehouse District		Travel Minutes	Buffer Minutes Saved	Total Minutes Saved	Value	Toll Cost	VALUE RATIO
Downtown	To	19	65	84	\$102	\$17	6.1
	From	20	63	83	\$100	\$17	6.0
Ontario	То	55	177	232	\$280	\$32	8.7
	From		211	275	\$333	\$32	10.3
Victorville	To	82	247	329	\$398	\$64	6.2
	From		304	404	\$489	\$64	7.6

Other Potential Benefits

A Dedicated System Offers the Potential for:

- The operation of LCVs resulting in fewer total trips, less vehicle miles traveled and lower emissions
- The introduction and proliferation of technological advances in engine design and alternative fuels



	LA to Colt	on Crossi	ng	
	Average Delay per Freight Train (minutes)		v % Change	
2010 Baselin	e *			
BNSF	206.3		299.5	
UP	196.9		284.5	
2025 with Tra	ick Improvem	ents and	Alternative	Routing
BNSF	29.5	- 86%	123.8	- 59%
UP	14.4	- 93%	98.8	- 65%

Preliminary Financing Options All estimates in 2005\$					
Project	Capital Cost	Fee Structure	Appx. Fee Range		
No Project	\$0	NA	NA		
Truck Lanes	\$16.5B	Container Fee + Tolls	\$60/FEU to \$70/FEU + \$0.86/mile (Level debt @ 5% interest, 30Yr & 35Yr maturities)		
Rail Capacity Improvements	\$3.4B	Container Fee (For rail analysis only—FEU est. based on avg. daily trains—captures inf1 & domestic east-west movements)	\$15/FEU to \$30/FEU (Low assumes tax credit instrument & high assumes 5% interest ascending debt; 20Yr maturity)		
Total Hwy & Rail System	\$26B	Container Fee + Tolls	\$120/FEU to \$130/FEU + \$0.86/mile (Level debt @ 5% interest, 30Yr, 35Yr & 40Yr maturities; also tax credit & ascending debt for rail component)		
Total Hwy & Rail System & Env. Mitigation	\$36B	Container Fee + Tolls	\$160/FEU to \$170/FEU + \$0.86/mile (Level debt @ 5% interest, 30/r, 35/r & 40/r maturities; also tax credit instrument & ascending debt for rail component)		
per	elasticity study	tes are within \$200/FEU im y (8-2005); no charge on ex or Governments • Re	cports/empties.		

The Outcomes

- The region gains in logistics (and construction) employment
- We avert gridlock and improve safety for the driving public
- We can clean up the air and improve public health by financing mitigation along with infrastructure
- Shippers get a great return on investment

